What is claimed is:

1. A compound having the general formula (I):

$$^{-}$$
O₃S \longrightarrow R₁ \longrightarrow V₁ \longrightarrow R₂ \longrightarrow V₂

wherein

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 R_1 is a hydrocarbon radical comprising 1 to 10 main chain carbon atoms, wherein hydrogen atoms bonded to the main chain carbon atoms are independently substituted or not substituted;

R₂ is a hydrocarbon radical comprising 6 to 20 main chain carbon atoms, wherein hydrogen atoms bonded to the main chain carbon atoms are independently substituted or not substituted;

 V_1 is a saturated or unsaturated, monocyclic or bicyclic ring system comprising 5 to 9 ring atoms, wherein at least 2 ring atoms are nitrogen atoms, said nitrogen atoms being comprised in the same cycle;

 V_2 is a moiety comprising a carboxyl group and an unsaturated carbon-carbon bond.

unsaturated, 5 or 6 membered monocyclic ring system.

2. The compound according to Claim 1, wherein the ring system of V_1 is an

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3. The compound according to Claim 2, wherein the unsaturated or aromatic, 5 or 6 membered monocyclic ring system is selected from the group consisting of imidazole, pyrazole, 1,2,4-triazole, tetrazole and pyrazine.

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4. The compound according to Claim 1, wherein the ring system of V_1 is a saturated, 5 or 6 membered monocyclic ring system.

- 5. The compound according to Claim 4, wherein the saturated, 5 or 6 membered monocyclic ring system is selected from the group consisting of piperazine and imidazoline.
- 5 6. The compound according to Claim 1, wherein the bicyclic ring system of V₁ is an unsaturated, 9 member bicyclic ring system.
 - 7. The compounds according to Claim 6, wherein the unsaturated, 9 member bicyclic ring system is selected from the group consisting of benzimidazole, purine and indazole.
 - 8. The compound according to Claim 1, wherein V_2 has the formula (II):

$$\begin{array}{c|c}
 & O & R_3 \\
 & O & C & C
\end{array}$$

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- wherein R₃, R₄ and R₅ are independently selected from the group consisting of H and C1-C4 alkyl group, wherein the H and C1-C4 alkyl groups are independently substituted or not substituted.
 - 9. The compound according to Claim 1, having the formula (III):

$$-O_3S$$
 — $(CH_2)m$ — N — $(CH_2)n$ — O — C — C — CH_2

wherein $1 \le m \le 10$ and $6 \le n \le 20$,.

10. The compound according to Claim 1, having the structural formula (IV):

$$XSO_3(CH_2)_mN(CH_2CH_2)N(CH_2)_nV$$

where $6 \le n \le 20$, $1 \le m \le 10$, $X = Na^{\dagger}$, Li^{\dagger} , NH_4^{\dagger} , and V is (methyl)acrylate or another copolymerizable unsaturated group.

11. A process for the preparation of a compound having the general formula (I):

$${}^{-}O_{3}S$$
 $-- R_{1}$ $-- V_{1}$ $-- R_{2}$ $--- V_{2}$

wherein

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R₁ is a hydrocarbon radical comprising 1 to 10 main chain carbon atoms, wherein hydrogen atoms bonded to the main chain carbon atoms are independently substituted or not substituted;

R₂ is a hydrocarbon radical comprising 6 to 20 main chain carbon atoms, wherein hydrogen atoms bonded to the main chain carbon atoms are independently substituted or not substituted;

 V_1 is a saturated or unsaturated, monocyclic or bicyclic ring system comprising 5 to 9 ring atoms, wherein at least 2 ring atoms are nitrogen atoms, said nitrogen atoms being comprised in the same cycle;

 V_2 is a moiety comprising a carboxyl group and an unsaturated carbon-carbon bond,

said process comprising:

a) reacting a compound having a saturated or unsaturated, monocyclic or bicyclic ring system comprising 5 to 9 ring atoms, wherein at least 2 ring atoms are nitrogen atoms, said nitrogen atoms being comprised in the same cycle,

with an alcohol having the structure:

wherein

X' is halogen, and

R₂ is a hydrocarbon radical comprising 6 to 20 main chain carbon atoms, wherein hydrogen atoms bonded to the main chain carbon atoms are independently substituted or not substituted;

- b) reacting the product obtained from a) with a sultone; and
- c) reacting the product obtained from b) with a compound having the formula (IIa):

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wherein

X is a halogen; and

 R_3 , R_4 and R_5 are independently selected from the group consisting of H and C_1 - C_4 alkyl, independently substituted or not substituted.

- 12.A process for producing an ion conducting membrane, comprising copolymerizing at least one copolymerizable surfactant with a copolymerizable monomer in a bicontinuous microemulsion polymerization mixture, said mixture comprising:
 - i) about 15% to 50% by weight of water;
 - ii) about 10% to 50% by weight of at least one copolymerizable surfactant having the formula (I):

$$^{-}O_{3}S$$
 $--- V_{1}$ $-- V_{2}$ $--- V_{2}$

wherein

R₁ is a hydrocarbon radical comprising 1 to 10 main chain carbon atoms, wherein hydrogen atoms bonded to the main chain carbon atoms are independently substituted or not substituted;

 R_2 is a hydrocarbon radical comprising 6 to 20 main chain carbon atoms, wherein hydrogen atoms bonded to the main chain carbon atoms are independently substituted or not substituted;

 V_1 is a saturated or unsaturated, monocyclic or bicyclic ring system comprising 5 to 9 ring atoms, wherein at least 2 ring atoms are nitrogen atoms, said nitrogen atoms being comprised in the same cycle;

V₂ is a moiety comprising a carboxyl group and an unsaturated carbon-carbon bond;

and

iii) about 5% to 40% by weight of at least one copolymerizable monomer; wherein said weight percents are based on the total weight of the microemulsion.

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13. An ion conducting membrane comprising a copolymer, wherein said copolymer comprises a monomer having the general formula (I):

$$-O_3S$$
 $-----V_1$ $-----V_2$

5 wherein

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R₁ is a hydrocarbon radical comprising 1 to 10 main chain carbon atoms, wherein hydrogen atoms bonded to the main chain carbon atoms are independently substituted or not substituted;

R₂ is a hydrocarbon radical comprising 6 to 20 main chain carbon atoms, wherein hydrogen atoms bonded to the main chain carbon atoms are independently substituted or not substituted;

 V_1 is a saturated or unsaturated, monocyclic or bicyclic ring system comprising 5 to 9 ring atoms, wherein at least 2 ring atoms are nitrogen atoms, said nitrogen atoms being comprised in the same cycle;

V₂ is a moiety comprising a carboxyl group and an unsaturated carbon-carbon bond.